September 18, 1969

[redacted] STAT

Washington, D.C.

Dear John:

Enclosed is the general work plan and budget estimates for the measurement and analysis of the dual gamma material. I have allowed some extra time in the analysis portion of the task for discussions of the data with you which might lead to some additional work on the analysis end of the problem. If you have any questions, please give me a call.

Sincerely,

[redacted] STAT

Program Manager

WWM/mls
encl:

MENSURATION STUDY - DUAL GAMMA PROCESSING

Data Corporation : Project 6680

OBJECTIVE: The objective of this study is to take a series of measurements from photographic material processed by dual gamma processing, and compare these measurements with those made on similar imagery processed by spray methods. The measurements on the spray material are available from Data Corporation project 6607.

TASKS TO BE PERFORMED:

Task 1 : Data Acquisition 10 Oct

This task will consist of collecting the measurement data from the raw imagery.

Target Object: Single bars of mensuration targets 1 and 6 on film type 3404.

Equipment: Mann Comparator

Procedure:

2	Operators
4	measurements/bar (each operator)
12	bars/exposure level
4	exposure levels
5	replicates
1920	total measurements

2	targets, dark detail on light background and
2	sets of film vice versa (sets A & B)
7680	total measurements

Time estimate for Data Acquisition - 4 weeks

0 = 15 Sept
1st mile → 10 Oct
Final analysis → 7 Nov
Starting date 15 Sept

Informal data ~ 13 Oct

Task 2 : Analysis and Reporting 7 Nov

This task will consist of organizing the raw data for computer analysis, running the analysis, and writing the report. This task also has some time budgeted for customer briefings and discussions before generation of the final report. The analysis will be similar to that done for the 6607 material, although some analyst time is budgeted for other analysis methods. Any new analysis applied to the dual gamma data taken will be performed with the project 6607 data in order to permit direct comparison of the two sets of data.

Time estimate: 6 weeks (First two weeks will be concurrent with last two weeks of task 1.)

Reporting: Draft copy of final report will be submitted within 8 weeks after initiation of study. Final report will be available 30 days after approval of draft copy.

Is there a sig diff. in terms of means bet dg + T? ~ 13 Oct

[? = mean error of (Target size) for dg
gain 2 density ranges
1 Target geometry (bars)